

FY 2012-13 TAEP Cattle Genetics Program - Beef EPD Requirements by Breed - 3 Options

To Qualify: A bull must meet or exceed EPD requirements in **EACH** EPD category for **1 of the following 3 bull types**

The 3 bull types are: **Balanced, Terminal or Calving Ease** bulls.

Each bull type (Balanced, Terminal or Calving Ease) has different EPD requirements.

The 3 EPD categories are: **Calving Ease, Growth and Maternal**.

Balanced and Heifer bulls must meet 3 of 3 EPD categories.

Terminal bulls must meet 2 of 2 EPD categories (Terminal bulls do not have a maternal requirement).

EPD's must be current as of June 1, 2012 to qualify for reimbursement.

| <u>BALANCED Bulls</u> | | Must meet or exceed EPD requirements for: Calving ease and Growth and Maternal | | | | | | | | | |
|--------------------------------------|--|--|-----------|------------------|----------------------------|-----------|------------------|----------------------------|--------------------|----|--------------------|
| <i>(1st <u>bull type</u> option)</i> | | <u>1.) CALVING EASE</u> + | | | <u>2.) GROWTH</u> + | | | <u>3.) MATERNAL</u> | | | |
| | | Minimum | | Maximum | Minimum | | Minimum | | Minimum | | Maximum |
| <u>Breed</u> | | <u>CE</u> | or | <u>BW</u> | <u>WW</u> | or | <u>YW</u> | | <u>MILK</u> | | <u>MILK</u> |
| Angus | | 3 | or | 2.9 | 41 | or | 76 | | 16 | to | 35 |
| Beefmaster | | | | 0.3 | 4 | or | 7 | | -1 | to | 9 |
| Brahman | | | | 1.3 | 10 | or | 16 | | 3 | to | 15 |
| Brangus & Ultrablack | | | | 1.1 | 17 | or | 33 | | 6 | to | 22 |
| Charolais | | 4.1 | or | 0.3 | 17 | or | 30 | | 3 | to | 20 |
| Chiangus & Chianina | | | | 1.9 | 28.6 | or | 55.5 | | 10.8 | to | 26.6 |
| Gelbvieh | | 107 | or | 1.4 | 34 | or | 65 | | 11 | to | 26 |
| Gelbvieh Balancer | | 108 | or | 0.1 | 32 | or | 71 | | 12 | to | 27 |
| Hereford | | 0 | or | 4.0 | 41 | or | 67 | | 14 | to | 31 |
| Limousin | | 8 | or | 1.9 | 41 | or | 76 | | 18 | to | 34 |
| Lim-Flex | | 8 | or | 0.7 | 44 | or | 85 | | 21 | to | 37 |
| Maine Anjou | | | | 1.6 | 35.3 | or | 71.3 | | 16.3 | to | 30.3 |
| MaineTainer | | | | 1.4 | 32.1 | or | 67.1 | | 16.1 | to | 29.2 |
| Red Angus | | | TBD | | | | | | | | |
| Salers | | 0 | or | 2.2 | 35 | or | 70 | | 14 | to | 32 |
| Santa Gertrudis | | | | 0.4 | 1 | or | 1 | | -3 | to | 8 |
| Shorthorn/ShorthornPlus | | -1.5 | or | 2.2 | 10 | or | 17 | | 0 | to | 8 |
| Simmental | | | TBD | | | | | | | | |
| SimGenetics | | | TBD | | | | | | | | |

| <u>TERMINAL Bulls</u> | | Must meet or exceed EPD requirements for: Calving ease and Growth | | | | | |
|--------------------------------------|----------------------------------|--|------------------|--------------------------|-----------|------------------|----------------------------|
| <u>(2nd <u>bull type</u> option)</u> | <u>1.) CALVING EASE</u> + | | | <u>2.) GROWTH</u> | | | <u>3.) MATERNAL</u> |
| | Minimum | | Maximum | Minimum | | Minimum | <i>Not Required</i> |
| <u>Breed</u> | <u>CE</u> | or | <u>BW</u> | <u>WW</u> | or | <u>YW</u> | |
| Angus | 0 | or | 4.7 | 48 | or | 87 | N/A |
| Beefmaster | | | 1.6 | 10 | or | 15 | N/A |
| Brahman | | | 2.8 | 15 | or | 25 | N/A |
| Brangus & Ultrablack | | | 2.8 | 24 | or | 43 | N/A |
| Charolais | -1.7 | or | 3.0 | 25 | or | 44 | N/A |
| Chiangus & Chianina | | | 4.0 | 35.4 | or | 67.5 | N/A |

| | | | | | | | |
|-------------------------|------|----|-----|------|----|------|-----|
| Gelbvieh | 103 | or | 3.1 | 39 | or | 73 | N/A |
| Gelbvieh Balancer | 104 | or | 1.9 | 39 | or | 81 | N/A |
| Hereford | -2.5 | or | 5.8 | 46 | or | 75 | N/A |
| Limousin | 4 | or | 3.6 | 46 | or | 84 | N/A |
| Lim-Flex | 5 | or | 2.3 | 49 | or | 93 | N/A |
| Maine Anjou | | | 4.0 | 40.7 | or | 80.1 | N/A |
| MaineTainer | | | 3.4 | 36.9 | or | 74.5 | N/A |
| Red Angus | | | TBD | | | | |
| Salers | -0.9 | or | 3.8 | 42 | or | 81 | N/A |
| Santa Gertrudis | | | 1.5 | 5 | or | 8 | N/A |
| Shorthorn/ShorthornPlus | -6.8 | or | 4.7 | 15 | or | 25 | N/A |
| Simmental | | | TBD | | | | |
| SimGenetics | | | TBD | | | | |

| CALVING EASE Bulls <small>(3rd bull type option)</small> | | <i>Must meet or exceed EPD requirements for: Calving ease and Growth and Maternal</i> | | | | | | | |
|--|--|---|-----------|----|---------------------|-----------|----|---------------------|-------------|
| | | 1.) CALVING EASE + | | | 2.) GROWTH + | | | 3.) MATERNAL | |
| | | Minimum | Maximum | | Minimum | Minimum | | Minimum | Maximum |
| Breed | | <u>CE</u> | <u>BW</u> | or | <u>WW</u> | <u>YW</u> | or | <u>MILK</u> | <u>MILK</u> |
| Angus | | 7 | 1.2 | or | 35 | 66 | or | 16 to 35 | |
| Beefmaster | | | -1.6 | | -1 | 1 | or | -1 to 9 | |
| Brahman | | | -0.3 | | 5 | 10 | or | 3 to 15 | |
| Brangus & Ultrablack | | | -0.9 | | 12 | 25 | or | 6 to 22 | |
| Charolais | | 9.8 | -2.9 | or | 13 | 23 | or | 3 to 20 | |
| Chiangus & Chianina | | | -0.4 | | 23.5 | 46.9 | or | 10.8 to 26.6 | |
| Gelbvieh | | 112 | -0.9 | or | 30 | 58 | or | 11 to 26 | |
| Gelbvieh Balancer | | 112 | -1.9 | or | 26 | 63 | or | 12 to 27 | |
| Hereford | | 2.8 | 1.8 | or | 34 | 56 | or | 14 to 31 | |
| Limousin | | 13 | -0.4 | or | 35 | 67 | or | 18 to 34 | |
| Lim-Flex | | 11 | -1.1 | or | 38 | 75 | or | 21 to 37 | |
| Maine Anjou | | | -0.8 | | 28.8 | 61.6 | or | 16.3 to 30.3 | |
| MaineTainer | | | -0.6 | | 26.5 | 58.9 | or | 16.1 to 29.2 | |
| Red Angus | | | TBD | | | | | | |
| Salers | | 1.0 | 0.4 | or | 30 | 62 | or | 14 to 32 | |
| Santa Gertrudis | | | -0.6 | | -5 | -6 | or | -3 to 8 | |
| Shorthorn/ShorthornPlus | | 2.7 | 0.1 | or | 7 | 12 | or | 0 to 8 | |
| Simmental | | | TBD | | | | | | |
| SimGenetics | | | TBD | | | | | | |

Example:

Does this Angus bull qualify? CE = 8 / BW = 3.1 / WW = 33 / YW = 68 / Milk = 35
As which bull type?

BALANCED Bull

Must meet or exceed EPD requirements for: Calving ease **and** Growth **and** Maternal

Calving Ease (CE) acceptable greater than 3
Birth Weight (BW) unacceptable greater than 2.9

Calving ease category: **acceptable** meets CE requirement

| | | |
|-----------------------------|---------------------|--|
| Weaning Weight (WW) | unacceptable | lower than 41 |
| Yearling Weight (YW) | unacceptable | lower than 76 |
| Growth category: | unacceptable | meets <i>neither</i> WW or YW requirements |
| Milk | acceptable | falls between 16-35 |
| Maternal category: | acceptable | meets Milk requirement (35 is maximum) |

This bull does not qualify as a "Balanced" bull: Growth category is unacceptable

TERMINAL Bull

Must meet or exceed EPD requirements for: Calving ease **and** Growth only

| | | |
|-----------------------------|---|--|
| Calving Ease (CE) | acceptable | greater than 0 |
| Birth Weight (BW) | acceptable | lower than 4.7 |
| Calving ease category: | acceptable | meets <i>both</i> CE and BW requirements |
| Weaning Weight (WW) | unacceptable | lower than 48 |
| Yearling Weight (YW) | unacceptable | lower than 87 |
| Growth category: | unacceptable | meets <i>neither</i> WW or YW requirements |
| Milk | <i>not required for Terminal bulls</i> | |
| Maternal category: | <i>not a required category for Terminal bulls</i> | |

This bull does not qualify as a "Terminal" bull: Growth category is unacceptable

CALVING EASE Bull

Must meet or exceed EPD requirements for: Calving ease **and** Growth **and** Maternal

| | | |
|-----------------------------|-------------------|--|
| Calving Ease (CE) | acceptable | greater than 7 |
| Birth Weight (BW) | unacceptable | greater than 1.2 |
| Calving ease category: | acceptable | meets CE requirement |
| Weaning Weight (WW) | unacceptable | lower than 35 |
| Yearling Weight (YW) | acceptable | greater than 66 |
| Growth category: | acceptable | meets YW requirement |
| Milk | acceptable | falls between 16-35 |
| Maternal category: | acceptable | meets Milk requirement (35 is maximum) |

This bull does qualify as a "Calving Ease" bull: All 3 categories are acceptable

All bulls must have individual EPD's assigned by their breed association.

Contact TAEP about other breeds:

1-800-342-8206 - Phone

livestock.genetics@tn.gov

Black Hereford, Blonde d'Aquitaine, Braunvieh, Murray Grey,
Pinzgauer, Senepol, South Devon and Tarentaise.

FY 2012/2013 TAEP Cattle Genetics Program - Minimum Dairy LNM or Index Requirements by Breed

To Qualify: A bull must meet or exceed the requirements in **1 of the 2** categories.

| <u>BREED</u> | <u>LNM</u> | <u>or</u> | <u>Index</u> | <u>Value</u> |
|---------------------|-------------------|------------------|---------------------|---------------------|
| HOLSTEIN | 308 | or | TPI | 1719 |
| Red & White | 308 | or | TPI | 1719 |
| AYRSHIRE | 223 | or | PTI | 83 |
| BROWN SWISS | 174 | or | PPR | 80 |
| GUERNSEY | 102 | or | PTI | 78 |
| JERSEY | 217 | or | JPI | 82 |
| MILKING SHORTHORN | 50 | | | |